







FIG. 1D

	301					350
Human	PWTSWPACPP	GLVHTLGNVW	AGPGDGNLGY	QLGPPATPRC	PSPEPPVTQR	
Ahmad	PWTSWPACPP	GLVHTLGNVW	AGPGDGNLGY	QLGPPATPRC	PSPEPPVTQR	
Cichon	PWTSWPACPP	GLVHTLGNVW	AGPGDGNLGY	QLGPPATPRC	PSPEPPVTQR	
Rat	PRTPWPSCPP	GLVHTLGNVW	AGPGSNSFGY	QLGPPVTPRC	PSPGPPTPPG	
Mouse	PRAPWPSCPP	GLVHSLGNIW	AGPGSNSLGY	QLGPPATPRC	PSPGPPTPPG	
	351					400
		*				
Human	GCCSSYPPTK	GGDLGPCGKC	QEGLEGGASG	ASEPSEEVNK	ASGPRACPPS	
Ahmad	GCCSSYPPTK	GGDLGPCGKC	QEGLEGGASG	ASEPSEEVNK	ASGPRACPPS	
Cichon	GCCSSYPPTK	GGDLGPCGKC	QEGLEGGASG	ASEPSEEVNK	ASGPRACPPS	
Rat	GCCSSHLPAR	EGDPGPCRKC	QDSPEGSSSG	PGESSEERNK	A.GSRASPPS	
Mouse	GCCSSHLPAR	EGDLGPCRKC	QDSPEGGSSG	PGESSEERNK	A.DSRACPPS	



FIG. 1F

	501					550
Human	ASLQDPGLQD	IPCLLLPAKL	AQCQSCAQAA	GEGGGHACHS	QQVRRSPLGG	
Ahmad	ASLQDPGLQD	IPCLALPAKL	AQCQSCAQAA	GEGGGHACHS	QQVRRSPLGG	
Cichon	ASLQDPGLQD	IPCLALPAKL	AQCQSCAQAA	GEGGGHACHS	QQVRRSPLGG	
Rat	IRLRESRLVD	TSCQHHLAGV	TQCPSCVQAA	GEVEILTSHS	QKSHKLPLEE	
Mouse	IRLQESRLVD	TSCQHHLAGV	TQCQSCVQAA	GEVGVLTHGS	QKSRRSPLLE	
		*				
	551					600
						*
Human	ELQQEEDTAT	NSSSEEGPGS	GPDSRLSTGL	AKHLLSGLGD	RLCRLLRER	
Ahmad	ELQQEEDTAT	NSSSEEGPGS	GPDSRLSTGL	AKHLLSGLGD	RLCRLLRER	
Cichon	ELQQEEDTAT	NSSSEEGPGS	GPDSRLSTGL	AKHLLSGLGD	RLCRLLRER	
Rat	KPL.EEDSCA	.TSEEGGGS.	SPEASINKGL	AKHLLSGLGD	RLCRLLRER	
Mouse	KQLEEDSSA	.TSEEGGGGP	GPEASINKGL	AKHLLSGLGD	RLCRLLRER	

FIG. 1G

	601				650
Human	EALAWAQREG	*	QGPVGTGDSP	GIPRCCSRCH	HGLFNTHWRC
Ahmad	EALAWAQRES		QGPVGTEDSP	GIPRCCSRCH	HGLFNTHWRC
Cichon	EALAWAQREG		QGPVGTEDSP	GIPRCCSRCH	HGLFNTHWRC
Rat	EALAWAQREG		QGPVGTEDSP	GIPRCCSRCH	HGLFNTHWRC
Mouse	EALAWAQREG		QGPVGTEDSP	GIPRCCSRCH	HGLFNTHWRC

	651				700
Human	CGRVAGTGRA		REKAGFQEQS	AECTQEQAGH	AACSLMLTQF
Ahmad	CGRVAGTGRA		REKAGFQEQS	AECTQEQAGH	AACSLMLTQF
Cichon	CGRVAGTGRA		REKAGFQEQS	AECTQEQAGH	AACSLMLTQF
Rat	CGRIAGAGKN		REKAGFQEQS	AECTQEQAGH	AACSLMLTQF
Mouse	CGRIAGAGKN		REKAGFQEQS	AECTQEQAGH	AACSLMLTQF





FIG. 1I

	801				850
Human	RIHMAFAPVT	PALPSDDRIT	NILDSIIAQV	VERKIQEKAL	GPGLRAGPGL
Ahmad	RIHMAFAPVT	PALPSDDRIT	NILDSIIAQV	VERKIQEKAL	GPGLRAGPGL
Cichon	RIHMAFAPVT	PALPSDDRIT	NILDSIIAQV	VERKIQEKAL	GPGLRAGPGL
Rat	RIHMAFAPVT	PALPSDDRIT	NILDSIIAQV	VERKIQEKAL	GPGLRAGSGL
Mouse	RIHMAFAPVT	PALPSDDRIT	NILDSIIAQV	VERKIQEKAL	GPGLRAGSGL

	851				900
Human	RKGLGLPLSP	VRPRLPPPGA	LLWLQEPQPC	PRRGFHLFQE	HWRQGQPVLV
Ahmad	RKGLGLPLSP	VRPRLPPPGA	LLWLQEPQPC	PRRGFHLFQE	HWRQGQPVLV
Cichon	RKGLGLPLSP	VRPRLPPPGA	LLWLQEPQPC	PRRGFHLFQE	HWRQGQPVLV
Rat	RKGLSLPLSP	VRTQLSPPGA	LLWLQEPR..	PKHGFRLFQE	HWRQGQPVLV
Mouse	RKGLSLPLSP	VRTQLSPPGA	LLWLQEPR..	PKHGFHLFQE	HWRQGQPVLV

FIG. 1J

Human	SGIQR	TLQGN	LWGTEALGAL	GGQVQALSPL	GPPQPSSLS	TTFWEGFSWP	950
Ahmad	SGIQR	TLQGN	LWGTEALGAL	GGQVQALSPL	APPQPSSLS	TTFWEGFSWP	
Cichon	SGIQR	TLQGN	LWGTEALGAL	GGQVQALSPL	GPPQPSSLS	TTFWEGFSWP	*
Rat	SGIQK	TLRLS	LWGMEALGTL	GGQVQTLTAL	GPPQPTSLS	TAFWKGFSSHP	
Mouse	SGIQK	TLRLS	LWGMEALGTL	GGQVQTLTAL	GPPQPTNLS	TAFWEGFSHP	
Human	ELRPKS	DEGS	VLLLHRA	LGD	EDTSRVENLA	ASLPLPEYCA	1000
Ahmad	ELRPKS	DEGS	VLLLHRA	FGD	EDTSRVENLA	ASLPLPEYCA	
Cichon	ELRPKS	DEGS	VLLLHRA	LGD	EDTSRVENLA	ASLPLPEYCA	*
Rat	EARPKL	DEGS	VLLLHRPL	GLD	KDES RVENLA	SSLPLPEYCA	
Mouse	ETRPKL	DEGS	VLLLHRTL	GLD	KDASRVQNLA	SSLPLPEYCA	

FIG. 1K

	1001				1050
					*
Human	LPPGLALRPL	EPQLWAAAYGV	SPHRGHLGTK	NLCVEVADLV	SILVHADTPL
Ahmad	LPPGLALRPL	EPQLWAAAYGV	SPHRGHLGTK	NLCVEVADLV	SILVHARTPL
Cichon	LPPGLALRPL	EPQLWAAAYGV	SPHRGHLGTK	NLCVEVADLV	SILVHADTPL
Rat	LPLGLTLHPL	EPQLWAAAYGV	NSHRGHLGTK	NLCVEVSDLI	SILVHAEAOQL
Mouse	LPLGLTLHPL	EPQLWAAAYGV	NSHRGHLGTK	NLCVEVSDLI	SILVHAEAOQL

	1051				1100
	*				
Human	PAWHRAQKDF	LSGLDGEGWL	SPGSQVSTVW	HVFRAQDAQR	IRRFLOMVCP
Ahmad	PAWHEAQKDF	LSGLDGEGWL	SPGSQVSTVW	HVFRAQDAQR	IRRFLOMVCP
Cichon	PAWHRAQKDF	LSGLDGEGWL	SPGSQVSTVW	HVFRAQDAQR	IRRFLOMVCP
Rat	PPWYRAQKDF	LSGLDGEGWL	SPGSQTSTVW	HVFRAQDAQR	IRRFLOMVCP
Mouse	PPWYRAQKDF	LSGLDGEGWL	SPGSQTSTVW	HVFRAQDAQR	IRRFLOMVCP

FIG. 11

	1101				1150
Human	AGAGALEPGA	PGSCYLDAGL	RRRLREEWGV	SCWTLQAPG	EAVLVPAGAP
Ahmad	AGAGALEPGA	PGSCYLDAGL	RRRLREEWGV	SCWTLQAPG	EAVLVPAGAP
Cichon	AGAGALEPGA	PGSCYLDAGL	RRRLREEWGV	SCWTLQAPG	EAVLVPAGAP
Rat	AGAGTLEPGA	PGSCYLDAGL	RRRLREEWGV	SCWTLQAPG	EAVLVPAGAP
Mouse	AGAGTLEPGA	PGSCYLDAGL	RRRLREEWGV	SCWTLQAPG	EAVLVPAGAP

Human	HQVQGLVSTV	SVTQHFLSPE	TSALSAQLCH	QGPSLPPDCH	LLYAQMDWAV
Ahmad	HQVQGLVSTV	SVTQHFLSPE	TSALSAQLCH	QGASLPPDCH	LLYAQMDWAV
Cichon	HQVQGLVSTV	SVTQHFLSPE	TSALSAQLCH	QGPSLPPDCH	LLYAQMDWAV
Rat	HQVQGLVSTI	SVTQHFLSPE	TSALSAQLCH	QGASLPPDHR	MLYAQMDRAV
Mouse	HQVQGLVSTI	SVTQHFLSPE	TSALSAQLYH	QGASLPPDHR	MLYAQMDRAV

